

-R. C. AIRIN.

్డ్రిందిందింది మయుద్దు మయుద్దు మయుద్దు మయుద్దు మార్గాలు ప్రామాలు మార్గాలు మార్గాలు మార్గాలు మార్గాలు మార్గాలు మ

The month of June might be termed the clover month. Red, white alsike and alfalfa clovers come mainly in the month of June. This article wi'l. I suppose, appear in the June issue, and if so, will come just as we are preparing for our

honey flow.

Could I have everything to my liking, I would want every colony so populous, that when active and honey coming in there would be bees enough to work the brood chamber and at least one whole super, and set half the bees be afield. Such a colony. the weather is warm, will occupy the entire hive including every part of the super ill right long, and usually will cluster out brough the night. The first super ought be on about a week before the flow opens, and all colonies intended for section work have six to eight full combs of brood. If all the colonies cannot be so, better take es and brood from those not strong and dd to those not quite strong enough. errun only half of the colonies for surplus adhave them so strong that they can do to super work in a light to fair flow, han to have all trying to work supers and annot. Almost any reasonable colony ill work sections in a good flow, but in a or flow even an average colony will not wik sections.

To illustrate the necessity of strong colsists for profit, let me make some estimates.

Spose the average yield for 10 years to 30 pounds. Add to the 50 pounds 25 mids for stores in the brood chamber—

total to store of 75 pounds.

I have found that here in the alfalfa we when a colony brings in four madsaday from morning to night, during the night it will shrink about one and. Quite extended observations have won me that the nectar here, gathered and the twelve working hours, will apprate very nearly 4 during the next with hours. I think it entirely safe to that the nectar evaporates fully 4 and wink some of it \(\frac{1}{2}, \) if fully ripened.

logather a total of 75 pounds of honey.

In that at least 115 to 125 pounds of the has been brought in. A daily gain three pounds for forty days would know the above estimate. Remembisis for an uninterrupted flow, while fally there are some days that nothing is

right in.

Now I have found that if I have my

hives full of brood, the bees so abundant that they must occupy the super or go on the cutside, and an average gain of 21 to 8 pounds of raw nectar per day for about forty days, that I can obtain pretty fair super work; but any colony less than that will yield me little or no surplus. I think in all average locations a 50 pound surplus will be counted good. In a term of 10 years several would be below the average, and at least one or two very poor. If such strong colonies are necessary in an average year, what must be the result in those year: below the average? I find that in the poor years, to obtain a surplus. I must have just about twice the strength of colony required in average to good years.

The only way then to get a surplus the poorer years, is by having the colonies strong. So firm am I in this belief, that instead of practicing natural swarming I discourage it—or rather prevent it—and if a colony is strong enough to swarm, I keep it so, and very frequently add to it rather than divide. Such a proceedure will give a surplus when ordinary methods fail, and

in good years results in fine yields.

My method of holding such strong colonies together, is the unqueening method. know of no other method that will accomplish the end so successfully, though similar results may be obtained by hiving swarms in contracted hives, and by doub. ling swarms or weak colonies. I have had good results by driving from boxes and uniting in one working colony the bees from two or more, and in the same way uniting the forces of two or more ordinary Whatever be the method of proceedure, always keep in mind the fact that a colony left to swarm and follow their instincts, will not average good work in supers. Just as surely as it is necessary to prune the tree or vine to get fruit, restrain and control the cow and horse, making them subject to our use, just as surely is it necessary to restrain and regulate the bee if we are to manage them to our profit.

If using ordinary frames, and these frames are to be handled or changed about, it is a great help and satisfaction to have them filled with broad from end to end. Where the entrance is at the end of the frame as it usually is, they usually fill the front end of the comb with brood, while the rear part holds the honey. The brood is next the entrance and the honey back of it. Thus we frequently find brood in every comb, or nearly so, while there is not more brood than would fill half the combs. get the combs solid full of brood I sometimes turn the combs the other end foremost, placing the brood end behind and